FIG.1

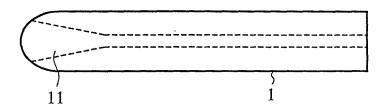


FIG.3

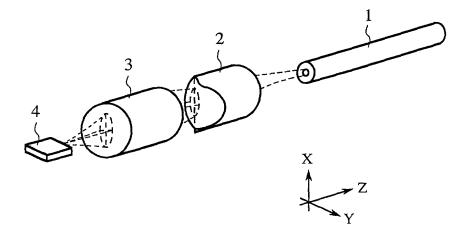


FIG.2

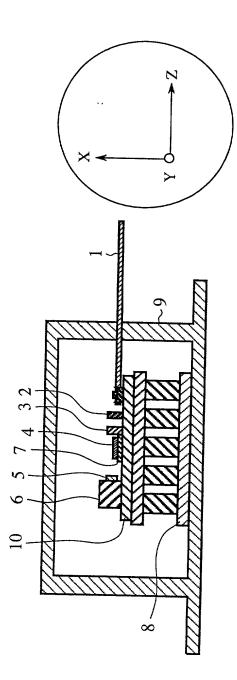


FIG.4

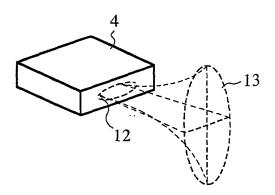


FIG.5

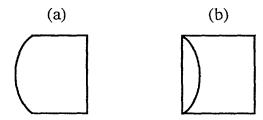


FIG.6

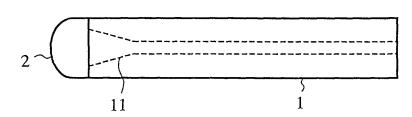
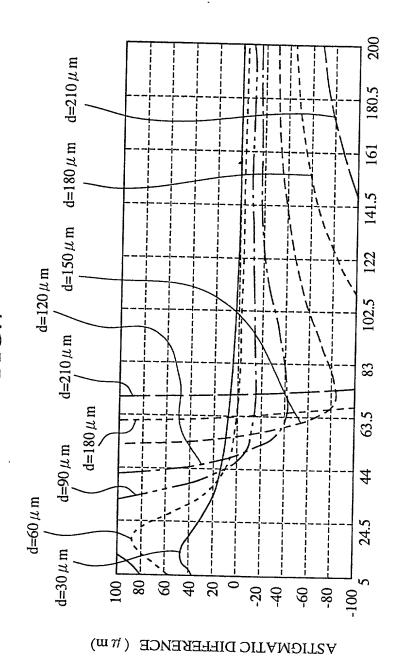


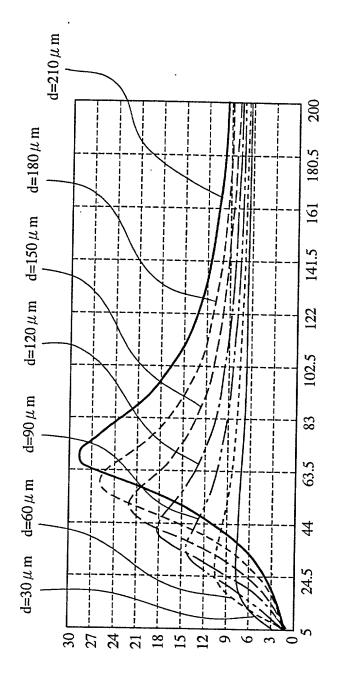
FIG 7



RADIUS OF CURVATURE OF SECOND LENS (μm)

d: THICKNESS OF SECOND LENS

FIG8



RECOND LENS ($\mu_{\rm m}$)

OF OPTICAL FIBER FORMED BY

DIAMETER OF APPARENT MODE FIELD

RADIUS OF CURVATURE OF SECOND LENS (μm)

d: THICKNESS OF SECOND LENS